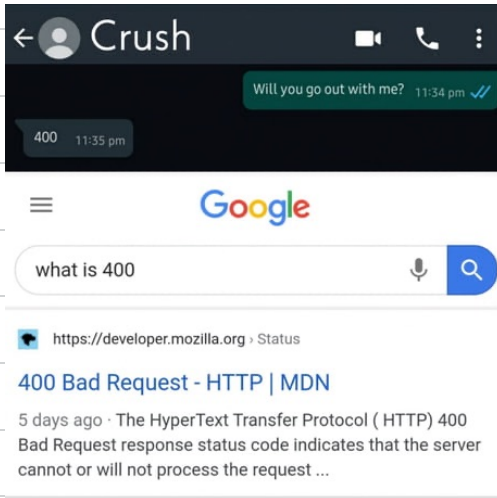


DEVELOP WEB APIS USING FLASK

Oct 06, 2025

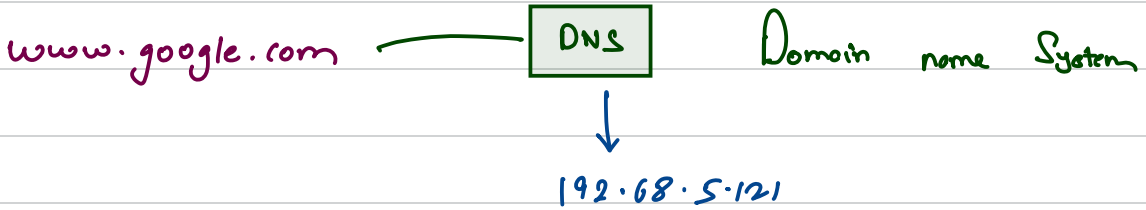
Session - 3



AGENDA

- ① How does WWW works?
- ② What is API
- ③ What is Flask, why do we need it??

How Internet works



Type	Domain Name	IP Address	TTL
A	www.google.com	172.253.122.99 <small>Google LLC (AS15169)</small>	5 min
A	www.google.com	172.253.122.103 <small>Google LLC (AS15169)</small>	5 min
A	www.google.com	172.253.122.104 <small>Google LLC (AS15169)</small>	5 min
A	www.google.com	172.253.122.105 <small>Google LLC (AS15169)</small>	5 min
A	www.google.com	172.253.122.106 <small>Google LLC (AS15169)</small>	5 min
A	www.google.com	172.253.122.147 <small>Google LLC (AS15169)</small>	5 min

HTTP status codes in a nutshell:

Or, what a 404 error & all of its friends mean in simple human words.

1 xx Hold on.

2 xx Here you go.

3 xx Go away.

4 xx You screwed up.

5 xx I screwed up.

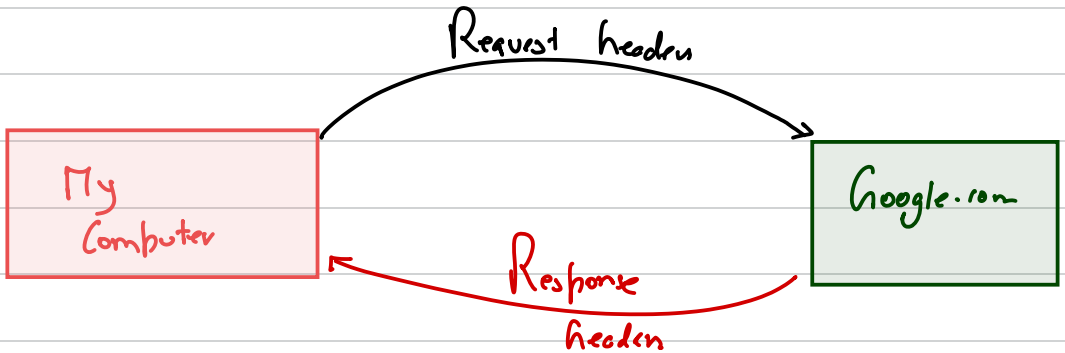
→ "g" → backend Engineer

Request Header

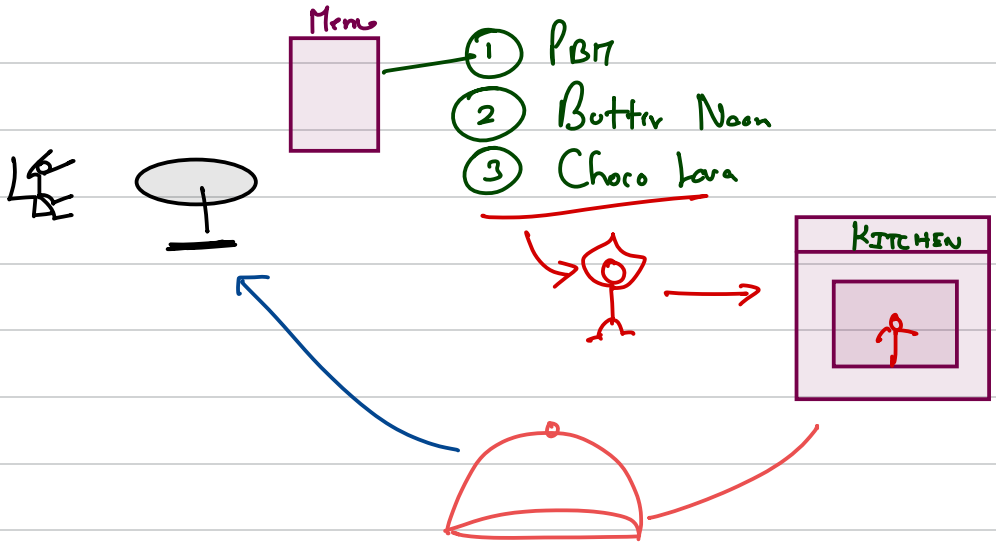
Content-type = "application/json"

Response Header

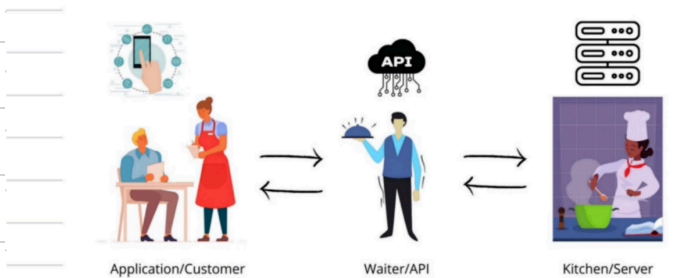
"Content-Encoding" : "gzip"

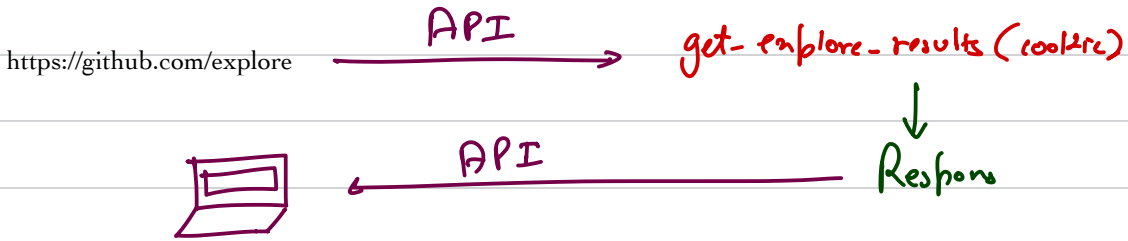


API - Application Programming Interface



What is API ?





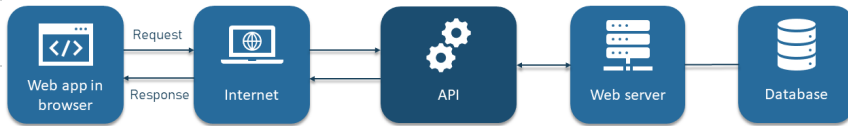
GET \rightarrow Fetch some Information
(does not change anything on Internet)

Post \rightarrow Modify something on Internet.

Browsing Elon Musk's Instagram profile \rightarrow GET
Share an Instagram Post \rightarrow POST

<u>www.github.com</u>	/ explore
host / base	/ shivom13june
URL	/ Projects
	$\underbrace{\hspace{10em}}$
	Endpoints

HOW API WORKS



In the context of client-server communication, what role does an API primarily fulfill?

0 users have participated

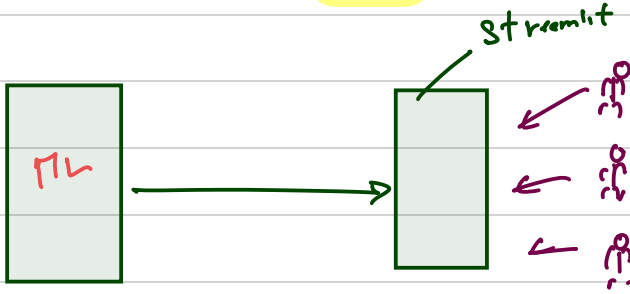
- A Initiating server operations based on client commands 0%
- B Acting as an intermediary enabling client-server interaction 0%
- C Encrypting data transmission between clients and servers 0%
- D Facilitating communication between servers in a network 0%

[End Quiz Now](#)

Based on all quizzes from the session

	A	R	SP
	2	1	3
	Anoop	Rajesh Sharma	Surya Prakash
	100	96.06	92.83
4	Pawan		90.72
5	Manoj Narware		87.47
6	Pooja Bhagavat Mane		85.27
7	Riddhi Tatke		83.10
8	Vinay Yelanadu		72.47

Flask



DE → Send input Features in txt file
Json file.
in what order.



HTTPS: Rules of how everything talks to everything else

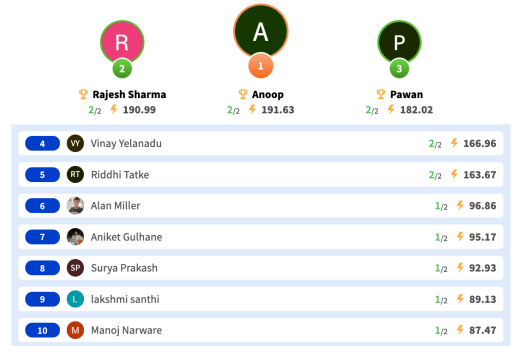
Which HTTP request method is commonly used to retrieve data from a server?

0 users have participated

A	Put	0%
B	Post	0%
C	Fetch	0%
<input checked="" type="checkbox"/>	D Get	0%

End Quiz Now

Based on all quizzes from the session

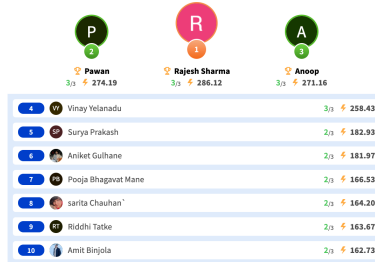


What is the primary purpose of an API endpoint?

0 users have participated

A	To establish a secure connection with the server	0%
B	To define the format of data exchanged between devices	0%
<input checked="" type="checkbox"/>	C To specify the URL where an API can be accessed	0%
D	To encrypt data during transmission	0%

End Quiz Now



When developing an API endpoint with Flask, what format is commonly used to receive data through the POST method?

0 users have participated

A	XML	0%
<input checked="" type="checkbox"/>	B JSON	0%
C	CSV	0%
D	HTML	0%

End Quiz Now

Based on all quizzes from the session

